

Work Order ID 155046

Friday, January 06, 2017 1:46:31 PM

155046

Page 1

Item ID: D350-578-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AS350/AS355 Bearpaws

Start Date: 1/11/2017 Start Qty: 8.00

8

Cust Item ID:

Required Date: 1/25/2017 Req'd Qty: 8.00

8

Customer:

Reference:

Approvals: Process Plan: **DAS 21** Date: **JAN 06 2017** Tooling: _____ Date: _____
QC: **9-89** Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D350-578	H

JAN 23 2017

100

Document Control

0.00

DAS 6 9-89***100***

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile and create labels per PPP D350-578-011 CHG006

8**DAS 28 9-89****JAN 31 2017****17-01-24****8**

160

Pick Kit

0.00

160

Packaging

Memo

0.00

Packaging

8**JAN 25 2017****DAS 6 9-89****DAS 27 9-89**

170

QC4- 100% Inspect kits for completeness

0.00

170

QC

Memo

0.04

Quality Control

8**DAS 28 9-89****JAN 31 2017**

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**QA Closed: _____ Date: _____ Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
2007 35 35								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run

Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

180

0.00

180

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-578-011 Location: E9013

8X

DAS
28
9-89DAS
27
9-89

JAN 31 2017

190

0.00

190

QC21- Final Inspection - Work Order Release

QC

Memo

0.13

Quality Control

DAS
21
9-89

FEB 01 2017

ME

17-2-01

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Picklist Print

Friday, January 06, 2017 1:46:36 PM

Page 1

Work Order ID: 155046

155046

Parent Item: D350-578-011

D350-578-011

Parent Item Name: AS350/AS355 Bearpaws

Start Date: 1/11/2017

Required Date: 1/25/2017

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A New Issue 07-01-02 JLM
IPP Rev:B 08-01-09 Added Step 2 JLM Verified By:EC
IPP Rev:C 08-10-15 New Manufacturing Method JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2432

Manufactured

No

160

Each

2.0000

2

16

D2432

Bearpaw 19" X 24"

**

JAN 2 5 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST430A

2

147544

1

150373

1

155058

D2529

Manufactured

No

160

Each

335.0000

12

96

D2529

Washer

**

JAN 2 5 2017

DAS 6 9-89

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST008

335

150080

135

153945

100

154187

100

11 85

D3601-1

Manufactured

No

Each

229.0000

12

96

D3601-1

Radius Block

**

JAN 2 5 2017

DAS 6 9-89

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST045

229

151808

1

152477

57

154193

171

96

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____

Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Description Work Order Deviation				Disposition				Completed By	
2AL 15 100				2AL 15 100				Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
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Parent Item Name: AS350/AS355 Bearpaws

Start Date: 1/11/2017

Required Date: 1/25/2017

Start Qty: 8.00

Required Qty: 8.00

D4011-1 Manufactured No

Each 90.0000

D4011-1

Clamp, Short

6 48
** DAS 6 JAN 13 2017 DAS 27
9-89 9-89

Location

Loc Qty

Loc Code

ST544

90

152409

50

154151

40

155088

D4012-1 Manufactured No

Each 37.0000

D4012-1

Cushion

6 48
** DAS 6 JAN 30 2017 DAS 27
9-89 9-89

Location

Loc Qty

Loc Code

FG

5

133458

5

ST545

32

151752

1

152436

31

153227

AN4-16A Purchased No

Each 372.0000

AN4-16A

Bolt

12 96
** DAS 6 JAN 25 2017 DAS 27
9-89 9-89

Location

Loc Qty

Loc Code

FG

5

121541

5

over003

200

M135948

100

M136450

100

ST343

167

M135979

167

96

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Parent Item Name: AS350/AS355 Bearpaws

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Required Date: 1/25/2017

Start Qty: 8.00

Required Qty: 8.00

NAS1149D0463J

Purchased

No

160

Each

3,549.000

24

192

NAS1149D0463J

Washer

DAS
6
9-89

JAN 25 2017

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

80

M134508

13

M135056

67

ST260a

2200

M136192

600

M136263

600

M136406

1000

ST263

1269

M136044

1269

192

MS21042L4

Purchased

No

160

Each

2,566.000

12

96

MS21042L4

Nut

DAS
6
9-89

JAN 25 2017

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

18

m133363

18

GA

192

m135058

192

OVER007

1000

m136182

500

m136450

500

ST303

1356

m135864

24

m135979

332

m136295

1000

96

DQA: _____ Date: _____

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								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Work Order ID 155046

Tuesday, January 24, 2017 8:10:05 AM

155046

Page 1

Item ID: D350-578-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: AS350/AS355 Bearpaws

Start Date: 1/11/2017 Start Qty: 8.00

8

Cust Item ID:

Required Date: 1/25/2017 Req'd Qty: 8.00

8

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

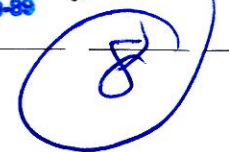
NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D350-578	H								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile and create labels per PPP D350-578-011 CHG006								
160	Pick Kit	0.00							
160									
Packaging	Memo	0.00							
Packaging									
170	QC4- 100% Inspect kits for completeness	0.00							
170									
QC	Memo	0.04							
Quality Control									

JAN 24 2017

DAS
21
9-89

JAN 21 2017



5.0 PARTS LIST

5.1 D350-578-011/-013/-015/-017/-021 BEARPAW INSTALLATION

Qty -011	Qty -013	Qty -015	Qty -017	Qty -021	Qty -031	Part Number	Description
X						D350-578-011	BEARPAW INSTALLATION
	X					D350-578-013	BEARPAW INSTALLATION
		X				D350-578-015	BEARPAW INSTALLATION
			X			D350-578-017	BEARPAW INSTALLATION
				X		D350-578-021	BEARPAW INSTALLATION
					X	D350-578-031	WEARPLATE KIT
2						D2432F	Bearpaw
		2				D2432-3	Bearpaw
12	12	12	12	12		D2529	Washer
				2		D2672F	Bearpaw
12	12	12	12	12		D3601-1	Radius Block (Replaces D2274)
					2	D3859-041	Wearplate
6	6	6	6	6		D4011-1	Clamp (Replaces D2438)
6	6	6	6	6		D4012-1	Cushion (Replaces D2182B050)
	2					D4297-1	Bearpaw
			2			D4297-3	Bearpaw
12	12			12	12	AN4-16A	Bolt
		12	12		12	AN4-17A	Bolt
24	24	24	24	24	24	NAS1149D0463J	Washer
12	12	12	12	12	12	MS21042L4	Nut (or MS21042-4)

5.2 D350-578-111/-113/-115/-117/-121 BEARPAW INSTALLATION

Qty -111	Qty -113	Qty -115	Qty -117	Qty -121	Part Number	Description
X					D350-578-111	BEARPAW INSTALLATION
	X				D350-578-113	BEARPAW INSTALLATION
		X			D350-578-115	BEARPAW INSTALLATION
			X		D350-578-117	BEARPAW INSTALLATION
				X	D350-578-121	BEARPAW INSTALLATION
1					D350-578-011	Bearpaw Installation
	1				D350-578-013	Bearpaw Installation
		1			D350-578-015	Bearpaw Installation
			1		D350-578-017	Bearpaw Installation
				1	D350-578-021	Bearpaw Installation
1	1	1	1	1	D350-578-031	Wearplate Kit